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GENERAL E-MAIL: info@wnpatent.com

PATENT APPLICATION

Docket No.: 15913.23

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
)
	Bing Zhou et al.)
)
Serial No.:	10/066,289) Art Unit
) 1754
Filed:	January 31, 2002)
)
Confirmation No.:	2043)
)
For:	Supported Noble Metal Nanometer Catalyst)
	Particles Containing Controlled (111) Crystal)
	Face Exposure)
)
Examiner:	n/a)

CHANGE OF ATTORNEY DOCKET NUMBER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

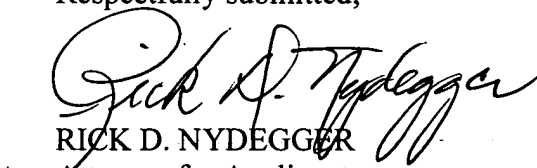
Sir:

For convenience and ready identification of the papers received in connection with the above-identified patent application, please reference in all future communications my Docket No. 15913.23. All communications should be addressed to the undersigned:

RICK D. NYDEGGER
WORKMAN NYDEGGER
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111
(801) 533-9800

Dated this 31 day of July, 2003.

Respectfully submitted,


RICK D. NYDEGGER
Attorney for Applicant
Registration No. 28,651



022913

PATENT TRADEMARK OFFICE

EXPRESS MAIL LABEL NO.: EV 291 412 931 US

PATENT APPLICATION
Docket No: 15913.23

#6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
	Bing Zhou et al.	RECEIVED)
		AUG 06 2003)
Serial No.:	10/066,289	OFFICE OF PETITIONS) Art Unit
Filed:	January 31, 2002) 1754
Confirmation No.:	2043)
For:	Supported Noble Metal Nanometer Catalyst)
	Particles Containing Controlled (111) Crystal)
	Face Exposure)
Examiner:	n/a)

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned, Craig R. Hickman, declares: that he is CEO of Hydrocarbon Technologies, Inc., and that he is authorized to execute this Revocation and Substitute Power of Attorney on behalf of Hydrocarbon Technologies, Inc.; and that Hydrocarbon Technologies, Inc. is the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 012864, Frame 0940, a copy of

said assignment is attached at Exhibit A hereto; and that the attached assignment has been reviewed by him, and to the best of his knowledge and belief title is in the assignee. The assignee, hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints all attorneys under customer number:



022913

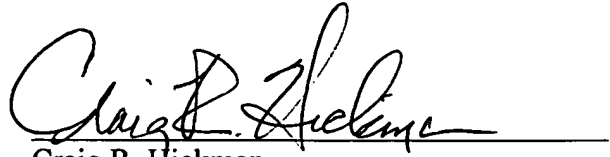
PATENT TRADEMARK OFFICE

of WORKMAN NYDEGGER, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith. The declarant further declares that all statements made herein of his own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon. All correspondence and telephonic communications should be directed to:

RICK D. NYDEGGER
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

All previous powers of attorney are hereby revoked.

Signed this 21 day of July, 2003.

A handwritten signature in black ink, appearing to read "Craig R. Hickman", is written over a horizontal line.

Craig R. Hickman
Hydrocarbon Technologies, Inc.
1501 New York Avenue
Lawrenceville, NJ 08648



UNITED STATES
PATENT AND
TRADEMARK OFFICE

JULY 10, 2002

HYDROCARBON TECHNOLOGIES, INC.
BRUCE PELRINE
1501 NEW YORK AVE.
LAWRENCEVILLE, NJ 08648

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

RECEIVED

AUG 06 2002

OFFICE OF PETITIONS

102085026A

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/31/2002

REEL/FRAME: 012864/0940
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
ZHOU, BING

DOC DATE: 01/29/2002

ASSIGNOR:
RUETER, MICHAEL

DOC DATE: 01/29/2002

ASSIGNEE:
HYDROCARBON TECHNOLOGIES, INC.
1501 NEW YORK AVENUE
LAWRENCEVILLE, NEW JERSEY 08648

SERIAL NUMBER: 10066289
PATENT NUMBER:

FILING DATE: 01/31/2002
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

05-10-2002

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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102085026

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bing Zhou and Michael Rueter

4.30.02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ~~Replacement~~ ☐ Merger☐ Security Agreement☐ Change of Name☒ Other Replacement Cover SheetExecution Date: January 29, 2002

2. Name and address of receiving party(ies):

Name: Hydrocarbon Technologies, Inc.

Internal Address: _____

Street Address: 1501 New York AvenueCity: Lawrenceville State: NJ ZIP: 08648Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application number(s) or patent number(s):

10/066289

If this document is being filed together with a new application, the execution date of the application is: 2002 APR 30 AM 7:19

A. Patent Application No.(s)

Ser. No. 10/066,289

Document I.D. No. 101983373A

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bruce Pelrine

Internal Address: _____

Hydrocarbon Technologies, Inc.Street Address: 1501 New York AvenueCity: Lawrenceville State: NJ ZIP: 086486. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

08-3636

(Attach duplicate copy of this page if paying by deposit account)

05/09/2002 LNUELLER 00000167 083636 10066289

01 FC:581 40.00 CH

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Fred A. Wilson

Name of Person Signing

Reg. No. 27,019

Fred A. Wilson

Signature

Apr. 23, 2002

Date

Total number of pages comprising cover sheet

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Form PTO-1595
(Rev. 03/01)

OMB N . 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Bing Zhou & Michael Rueter

1-31-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: _____

2. Name and address of receiving party(ies)

Name: Hydrocarbon technologies, Inc
1501 New York Ave. Lawrenceville, NJ
Internal Address: Alfred G. Comolli, President

Street Address: 1501 New York Ave

City: Lawrenceville State: NJ Zip: 08648

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A: Patent Application No.(s) 10,066,289

B: Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bruce Peltine

Internal Address: _____

Hydrocarbon Technologies, Inc

Street Address: 1501 New York Ave.

City: Lawrenceville State: NJ Zip: 08648

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ _____

- ☐ Enclosed
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Name of Person Signing

Signature

Date

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Washington, D.C. 20231

1000 U.S. PTO

10/066289



The PTO did not receive the following
list d item(s) 8 40

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

HT-23

Whereas, I/We, Bing Zhou of Cranbury, NJ, hereafter referred to as applicant, have invented certain new and useful improvements in Supported Noble Metal Catalyst Particles Containing Controlled (111) Crystal Face Exposure

☐ for which an application for a United States Patent was filed on _____
Application Number _____ / _____.

☒ for which an application for a United States Patent was executed on 1/29/02, and

Whereas Hydrocarbon Technologies, Inc., Lawrence, NJ herein referred to "assignee" whose mailing address is 1501 New York Ave., Lawrenceville, NJ is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of _____ dollars (\$_____), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 29th day of January, 20 02
at 1501 New York Ave., Lawrenceville, NJ

[Signature]
(Signature)

State of NEW JERSEY
County of MERCER SS:

Before me personally appeared said BING ZHOU
and acknowledged the foregoing instrument to be his free act and deed this 29th
day of JANUARY, 20 02.

Seal *[Signature]*

ROBERT L. WRIGHT
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JUNE 19, 2006

(Notary Public)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* ☐ Total of _____ forms are submitted.

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

HT-23

Whereas, I/We, Michael Rueter of Plymouth Meeting, PA, hereafter referred to as applicant, have invented certain new and useful improvements in Supported Noble Metal Catalysr Particles Containing Controlled (111) Crystal Face Exposure

☐ for which an application for a United States Patent was filed on _____
Application Number _____/_____.

☒ for which an application for a United States Patent was executed on 1/29/02, and

Whereas, Hydrocarbon Technologies Inc., Lawrenceville, NJ herein referred to "assignee" whose mailing address is 1501 New York Ave., Lawrenceville, NJ is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 29th day of January, 2002
at 1501 New York Ave., Lawrenceville, NJ

State of NEW JERSEY
County of MERCER) SS:

Michael Rueter
(Signature)

Before me personally appeared said MICHAEL RUETER
and acknowledged the foregoing instrument to be his free act and deed this 29th
day of JANUARY, 20 02.

Seal

ROBERT J. WRIGHT
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JUNE 19, 2006

(Notary Public)

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.

* ☐ Total of _____ forms are submitted.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Bing Zhou et al.

RECEIVED

Serial No.:

10/066,289

AUG 06 2003

) Art Unit

) 1754

Filed:

January 31, 2002

OFFICE OF PETITIONS

Confirmation No.:

2043

For:

Supported Noble Metal Nanometer Catalyst
Particles Containing Controlled (111) Crystal
Face Exposure

Examiner:

n/a

CERTIFICATE OF HAND DELIVERY

Mail Stop Petitions

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

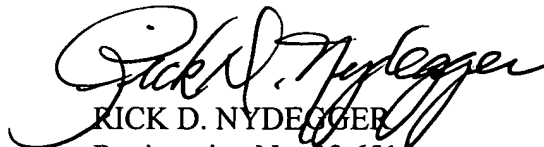
Sir:

I hereby certify that this paper is being hand delivered to the Patent and Trademark Office on the date shown below.

- Revocation and Substitute Power of Attorney (3 pages)
- Change of Attorney Docket No. (2 pages)
- Petition to Revive for Unintentional Abandonment (2 pages)
- Check # 132862 for \$1300.00

Dated this 6 of Aug., 2003.

Respectfully submitted,



RICK D. NYDEGGER

Registration No. 28,651

Customer No. **022913**